

PATENT ABSTRACTS OF JAPAN

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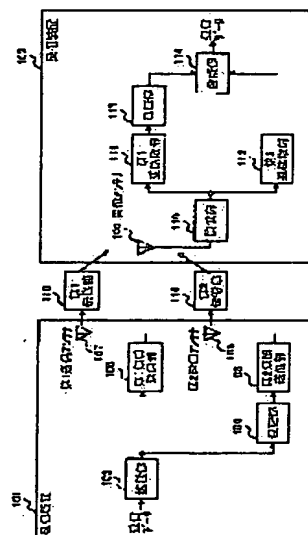
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(54) TRANSMITTER AND RECEIVER AND TRANSMISSION/RECEPTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a diversity effect compensating fading fluctuations for a delay time equivalent to a spread rate without increasing the scale of a transmitter and a receiver thereby enhancing the transmission characteristics.

SOLUTION: A spread section 103 spreads transmission data with a spread code, a 1st wireless transmission section 105 modulates a carrier with the spread transmission data, transmits the modulated carrier, a delay section 104 delays the spread transmission data for a prescribed time, a 2nd wireless transmission section 106 modulates the carrier with the delayed signal, transmits the modulated carrier, a detection section 110 demodulates the signal received by synthesizing both transmission signals, a 1st inverse spread section 111 applies inverse spread processing to the demodulated signal with the same spread code as that of the transmitter side, a delay section 113 delays the signal with the same delay time as that of the transmitter side, a 2nd inverse spread section 112 applies the inverse spread processing to the demodulated signal in timing delayed by a prescribed time with the same spread code and a synthesis section 114 synthesizes the data obtained by the inverse spread processing with the delay data to obtain received data.



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